

BARANY, M.; SPIRO, J.; KOTELES, Gy.; NAGY, E.

Studies on actin-actin bounds. II. Protective effects of ATP toward depolymerizing agents. Acta physiol. hung. 10 no.2-4:159-170 1956.

1. Biochemisches Institut der Medizinischen Universität, Budapest.  
(MUSCLE PROTEINS  
actin, protective eff. of ATP toward depolymerizing agents (Ger))  
(ADENYLPYROPHOSPHATE, eff.  
protective eff. toward actin depolymerizing agents (Ger))

BARANY, M.; SPIRO, J.; KOTTELES, Gy.; NAGY, E.

Studies on actin-actin bounds. I. Role of sulfhydryl and amino groups. Acta physiol. hung. 10 no.2-4:145-158 1956.

1. Biochemisches Institut der medizinischen Universität, Budapest.  
(MUSCLE PROTEINS  
actin polymerization & depolymerization, role of  
amino & sulfhydryl groups. (Ger))

BARANY, Mihaly; KOTELBS, Gyorgy; NAGY, Eleonora; SPIRO, Janos

Modified method for actin purification; Relationship between the precipitation of actin and the fixing of magnesium ions. Kiserletes orvostud. 8 no.5:491-497 Sept 56.

1. Budapesti Orvostudományi Egyetem Biokémiai Intézete.

(MUSCLE PROTEINS

actin purification, relation between precipitation rate & magnesium ion fixation (Hun))

KOTELNETS, P. I.

3744. Osipenkovskiye ovtsevody uvelichivayut pogolov'ye ovets. [Osipenkov, Rayon Zaporozh obl'] Sots. zhivotn zhivotnovodstvo, 1949, No. 8, c. 70-73.

SO: Letopis' Zhurnal'nykh Statey, Vol. 7, 1949

*Kotelements, N.I.*

~~KOTELEMENTS - N.I.~~

Volkovskii alcohol plant. Spirt.prom. 23 no.8:6-7 '57. (MIRA 11:1)  
(Tambov Province---Alcohol)

**KOTELENETS', N.I.**

Results of using V.M. Khmelievs'ki's method in preventing fetal asphyxiation during birth. Ped., akush. i gin. 19 no.2:66-68 '57.

(MIRA 13:1)

1. Rodil'noye otdeleniye (zav. - T.A. Makuskhina) Prilukskoy gorodskoy bol'nitsy (glavnyy vrach - S.N. Zhdanovich).  
(ASPHYXIA)

KOTELENETS, M.S.; NOSKOVA, L.V.

Yields and quality of chemical products of coking from charges with an increased quantity of gas and free-burning coals. *Koks i khim. no.11:44-46 '62.* (MIRA 15:12)

1. Vostochnyy uglekhimicheskiy institut.  
(Coke industry--By-products)

KOTELENETS, M.S.; NOSKOVA, L.V.

Increased output of chemical products of coking. Koks i  
khim. no. 16:36-39 '61. (MIRA 15:2)

1. Vostochnyy uglekhimicheskiy institut.  
(Coke industry--By-products)

KOTELENETS, M.S.

Remarks on the article by M.M.Kovalevska, R.K.Kul'man and M.S.Babenco  
"Method of determining the output of chemical products of coking".  
Koks i khim. no.8:63-64 '61. (MIRA 15:1)

1. Vostochnyy uglekhimicheskiy institut.  
(Coke) (Kovalevska, M.M.) (Kul'man, R.K.) (Babenco, M.S.)

KOTELENETS, M.S.; ZOLOTUKHIN, A.I.

Improving the accuracy of a laboratory method of determining the yields of coking by-products. Koks i khim. no.4:41-44 '60. (MIRA 13:6)

1. Vsesoyuznyy uglekhimicheskiy institut.  
(Coke industry--By-products)

ARTAMONOV, A.A.; BALANDIN, A.A., akademik; MARUKYAN, G.M.; KOTELENETS, M.I.

Isolation of 4-vinylpyridine from a mixture of pyridine bases.  
Dokl. AN SSSR 163 no.2:359-361 J1 '65. (MIRA 18:7)

1. Donetskii filial Vsesoyuznogo nauchno-issledovatel'skogo instituta khimicheskikh reaktivov i osobo chistykh khimicheskikh veshchestv i Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

KAZARINOVA, N.F.; BABIN, Ye.P.; SOLOMKO, K.A.; KOTELENETS, M.I.;  
ARTAMONOV, A.A.; SHEYNKMAN, A.K.

Preparation of 4-ethylpyridine. Zhur.prikl.khim, 36 no.3:  
649-654 My '63. (MIRA 16:5)  
(Pyridine)

KOTLENETS, I. P. MAJOR

Syringes

Device for connecting syringe with needle and vessel with fluid for anesthesia.  
Khirurgiia No. 6 1952.

9. Monthly List of Russian Accessions, Library of Congress, October <sup>2</sup> 195~~3~~<sup>X</sup>. Unclassified.

KEMENY, Pal, dr.; DANIEL, Ferenc, dr.; KOTELECS, Gyorgy, dr.

Cases of thoracic injuries caused by blunt trauma in childhood. Orv. hetil. 105 no.25:1166-1170 21 Je'64

1. XIII. Tanaos VB., Madarasz-a, Csecsemo es Gyermekkorhaz.

MAJDA, Aleksander; MAJORKOWA, Eugenia; KOTELBA-WITKOWSKA, Barbara.

Oxidation of hemoglobin of erythrocytes during blood preservation.  
Pol. tyg. lek. 20 no.5:161-163 1 F'65.

1. Z Działu Konserwacji Krwi (kierownik: dr. med. A. Mijda) Instytut  
Hematologii w Warszawie (dyrektor: doc. dr. med. A. Trojanowski [de-  
ceased]).

MAJDA, Aleksander, dr. med.; MAJORKOWA, Eugenia; KOTELBA-WITKOWSKA, Barbara

Observations of the effect of adding chlorpromazine to blood preserving fluids: glycolysis and plasma lipase activity. Pol. tyg. lek. 20 no.4:121-123 25 Ja '65

1. Z Działu Konserwacji Krwi (Kierownik: dr. med. A. Majda) Instytutu Hematologii w Warszawie (Dyrektor: doc. dr. med. A. Trojanowski, [deceased]).

MAJDA, Aleksander, dr. med.; MAJORKOWA, Eugenia; KOTELBA-WITKOWSKA,  
Barbara.

Observations on the addition of chlorpormazine to blood preser-  
vation liquids, glycolysis and serum lipase activity. Pol. tyg.  
lek. 19 no.48:1842-1844 30 N'64.

1. Z Działu Konserwacji krwi (kierownik: dr. med. A. Majda)  
Instytutu Hematologii w Warszawie.

MAJDA, Aleksander; KOTELBA-WITKOWSKA, Barbara; MAJOREK, Eugenia

Blood "S" -- a fresh preserved blood preparation. Pol. tyg.  
lek. 19 no.9:321-324 24 F '64.

1. Z Działu Konserwacji Krwi Instytutu Hematologii (kierownik:  
dr. med. A. Majda).

MAYDA, A. [Majda, A.]; MAYOREK, Ye. [Majorek, E.]; KOTEL'BA-VITKOVSKAYA,  
B. [Kotelba Witkowska, B.]

Characteristics of blood preservation in relation to the blood taking  
system. Probl. gemat. i perel. Krovi 8 no,9:44-45 S '63.

(MIRA 17:9)

1. Iz otdeleniya konservirovaniya krovi (zav. A.Mayda)  
Varshavskogo gematologicheskogo instituta (dir. - dotsent A.  
Trojanovskiy [A.Trojanowski]).

POLAND

NAJDA, Aleksander, MAJOREK, Eugenia, and KOTELBA-WITKOWSKA, Barbara, with the technical assistance of BURZYNSKA, Danuta; Division of Blood Storage (Dzial Konserwacji Krwi) (Director: Dr. med. A. NAJDA) of the Hematology Institute (Instytut Hematologii) in Warsaw (Director: Docent Dr. A. TROJANOWSKI)

"Effect of Composition of Tubing and Containers on Quality of Blood for Storage."

Warsaw, Farmacja Polska, Vol 19, No 9, 10 May 63, pp 192-196.

Abstract: In view of the differences of opinions and findings regarding the superiority of collecting and storing blood in one-time silicated and plastic material over the standard rubber tubing and glass container, the authors conducted their own study, using 3 set-ups: I -- rubber tubing--glass container, II -- rubber tubing--silicated container, and III -- plastic tubing--silicated container. They found little difference in the hematological quality of the blood, its preservability, or contamination transmissibility. There is no listing of references.

1/1

LOPACIUK, Stanislaw; KOTELBA-WITKOWSKA, Barbara; MAJDA, Aleksander

Thromboelastographic studies on packed platelets preserved by various methods. Pol. tyg. lek. 17 no.40:1537-1542 1 0 '62.

1. Z Oddzialu Chorob Wewnetrznych i Pracowni Biochemii Klinicznej; kierownik: dr med. S. Pawelski oraz z Dzialu Dawcow i Konserwacji Krwi; kierownik: dr med. A. Majda i z Instytutu Hematologii w Warszawie; dyrektor doc. dr med. A. Trojanowski.

(THROMBOELASTOGRAPHY) (BLOOD PLATELETS)  
(BLOOD PRESERVATION)

Country : POLAND  
Category: Human and Animal Physiology. Blood. Blood  
Transfusions and Blood Substitutes

T

Abs Jour: RZhBiol., No 19, 1958, 88697

thermal (during incubation) resistance of erythrocytes was noted in preliminary experiments with the blood of 3 donors, following the addition of I to the preserving fluid. Hemolysis decreased by 25% following mechanical shaking of the blood for a period of 45 minutes at the rate of 100 times/min. in experiments with the addition of I. After maintaining blood for periods of 18 hours at 37° C. there was at the end of 25 days 150 ng. % of free Hb in the plasma with added I, as against 500 ng. % in the control plasma. It is advisable, in practice, to add I in a concentration of 0.35-0.40 m.M./1 liter of blood mixed with conserving fluid. -- I.N. Dayneko

Card : 2/2

Country : POLAND  
Category: Human and Animal Physiology. Blood. Blood  
Transfusions and Blood Substitutes T  
Abs Jour: RZhBiol., No 19, 1958, 88697  
Author : Majda, A.; Majerek, E.; Kotelba-Witkowska, B.  
Inst : -  
Title : Results of Addition of Chlorpromazine to Blood Pre-  
serving Fluids  
Orig Pub: Polski tygod. lekar., 1956, 11, No 20, 869-868  
Abstract: The blood of 15 donors, group A, was preserved  
with solution 77 (according to the formula of  
the Central Institute of Hematology and Blood Transfu-  
sion in Moscow) with the addition of chlorpromazine  
(I). The addition of I sharply slowed down spontan-  
eous hemolysis. A higher mechanical and particularly  
Card : 1/2

T-24

MAJDA, Aleksander; KOTELBA- WITKOWSKA, Barbara

Preparation and transfusion of blood platelets. Pol. tyg.lek.  
18 no.49:1837-1841 2 D'63.

1. Z Działu Konserwacji Krwi Instytutu Hematologii;kierownik:  
dr.med. A.Majda.

\*

MAJDA, Aleksander, dr med.; MAJOREK, Eugenia; KOTELBA-WITKOWSKA, Barbara;  
BURZYNSKA, Danuta

Value of preserved blood depending on the collection and  
storage. *Pharmazja Pol* 19 no.9:192-196 10 My '63.

1. Dzial Konserwacji Krwi, Instytut Hematologii, Warszawa.  
Dyrektor Instytutu: doc. dr A. Trojanowski. Kierownik Dzialu:  
dr. A. Majda.

SIOMSKA-SCHMITT, Janina; KUJAWSKA, Halina; SZKAPICZKA, Daniela; KOCIELBA,  
Ryszard; BARTZ, Janina

Studies on a modified HS medium used in sterility control of biological preparations. Med. dozw. mikrobiol. 16 no.2:155-159 1964.

1. Z Instytutu Hematologii w Warszawie (Dyrektor: doc. dr. A. Trojanowski) i z Wojew. Stacji Krwiodawstwa w Poznaniu (Dyrektor: dr. H. Gerwélowa).

TYC, Milada; KOTELBA, Ryszard; JELJASZEWICZ, Janusz; BACZYK, Kazimierz

Studies on the relation of results of urine culture to the mode of  
sampling. Poznan. tow. przyjaciol nauk wydz. lek. 21 no.2:113-117  
'61.

(URINE microbiol)

LORKIEWICZ, Zbigniew; KOTELBA, Ryszard

Fixation and preservation of arterial grafts. Polski przegl. chir.  
30 no.5:573-574 May 58.  
(ARTERIES, transpl.  
fixation & preserv. (Pol))

~~RYNARD:~~

BEDRYNSKA-DOBEK, Maria, ~~KOTELBA, Ryszard~~; WOJCIECHOWSKA, Maria;  
WOJCIAK, Tadeusz

Agglutinin level in preserved human blood. Poznan. Tow. przyjaciol  
nauk, wydz. lek. 14 no.1:45-52 1956.

1. Z Zakladu Mikrobiologii Lekarskiej (Kier.: Prof. dr.  
J. Adamski) i Zakladu Farmakologii (Kier.: Prof. dr. J. Dadlez)  
Akademii Medycznej w Poznaniu.

(BLOOD, PRESERVED,

agglutinin level (Pol))

(ANTIBODIES,

agglutinin in preserved blood (Pol))

ALKIEWICZ, Jan; KOTELBA, Ryszard; MAJEWSKI, Czesław

Laboratory method of fixation and preservations of pathogenic fungi. Przegl. dermat., Warsz. 6 no.1:41-46 Jan-Feb 56.

1. Z Oddziału Dermatologicznego, Szpitala Miejskiego im. J. Strusia w Poznaniu Ordynator: doc. dr J. Alkiewicz i z Zakładu Mikrobiologii Lekarskiej A. M. w Poznaniu. Kierownik: prof. dr J. Adamski Poznań, Szpital Miejski im. J. Strusia, Szkołna 8/12.

(FUNGI,  
pathogenic, fixation & preserv. (Pol))

SEYFRIED, A.; KOTELBA, R.

New method of preservation of bone grafts. Chir. narz. ruchu ortop.  
polska 18 no.2:133-136 1953. (CJML 25:1)

1. Of the Orthopedic Clinic (Head--Prof. W. Dega, M.D.) and of the  
Institute of Microbiology (Head--Prof. J. Adamski, M.D.), Poznan  
Medical Academy.

KOTELBA, R.

HORST, M.; KOTELBA, R.

~~Stabilization of complement.~~  
Stabilization of complement. Acta poloniae pharm. 10 no.4:263-268  
1953. (CML 25:5)

1. Of the Institute of Medical Microbiology (Head--Prof. J. Adamski, M.D.) of Poznan Medical Academy. 2. Discussion of disadvantages of applying the fresh serum of the guinea pig for the Wasserman reaction. Method for drying up the serum from the freezing state. A method for preservation and regeneration of dry product is described.

**KOTELBA, R.**

Effect of Krynica waters on bacteria in vivo. Acta poloniae  
pharm. 9 no. 1:25-38 1952. (CLML 22:2)

1. Of the Institute of Medical Microbiology (Head--Prof. J.  
Adamski, M. D.) of Poznan Medical Academy. 2. Of the Microbio-  
logical Laboratory of the Pharmaceutical Department.

FIDELSKI, R.; KOTELBA, A.; MACIOL, K.; MALECKI, J.

Thrombin preparation and its clinical applications. Polskie  
arch. med. wewn. 26 no.12:1925-1928 1956.

1. Katowice, ul. Swierczewskiego 15.  
(THROMBIN, ther. use  
thrombin prep., indic. (Pol))

KOTEL', I., inzh.

Useful book. Rech. transp. 22 no.6:49 Je '63. (MIRA 16:9)  
(Ships—Maintenance and repair)

KOTZLA O

8717

711.107.100:338.04

Kotals, O. Town Reconstruction and Development.

"Zagadnienia przebudowy i rozbudowy miast", Minstw. No. 5, 1964.

MN

pp. 18-23, 14 figs.

The extent of reconstruction and of demolition operations connected therewith are in proportion to the planned scale of development of the town. This connection is most readily to be observed in towns where investments are being made under the Six-Year Plan. The author examined various systems of reconstruction, discarding that of shifting investments to the building areas, as well as investment on previously destroyed buildings. He favours a third system — that of improving existing real estate values without disrupting the proportion between values gained. In choosing the district or determining the reconstruction rate, the determining factors are, among others, — the extent of the sanitary installations network, necessities referring to social arrangements, municipal and transit communications, location of railway stations and industrial establishments. The urban composition must be based on existing conditions and on a trend, as far as possible, to a marked improvement; they must also embrace the whole town.

ILLEGIBLE

ZABLOCKI, Bernard; KOTEKLO, Krystyna; SZYDKOWSKI, Stanislaw.

Effect of staphylococcal antihyaluronidase on the course of cutaneous reactions to *Corynebacterium diphtheriae* in guinea pig. *Med.dosw.mikrob.* 7 no.4:353-360 1955.

1. Z Katedry Mikrobiologii Szczegolowej Uniwersytetu Lodzkiego  
Kierownik: prof. dr B. Zablocki.

(*CORYNEBACTERIUM DIPHTHERIAE*,

eff. of *Staphylococcus antihyaluronidase* on reactivity of skin in guinea pig to *C. Diphtheriae*.

(*SKIN*, physiology,

reactivity to *Corynebacterium diphtheriae*, eff. of *Staphylococcus antihyaluronidase*)

(*HYALURONIDASE*, antagonists,

*Staphylococcus antihyaluronidase*, eff. on skin reactivity to *Corynebacterium Diphtheriae* in guinea pigs)

(*MICROCOCCUS PYOGENES*,

antihyaluronidase from, eff. on skin reactivity to *Corynebacterium diphtheriae* in guinea pig)

KHASHKOVETS, Irzhi[Haskovec, Jiri], inzh.; KOTEK, Zdenek, inzh.;  
MEL'TSER, R.Ye.[translator]; SINGHUK, B.I., nauchnyy red.;  
KLIMOVICH, Yu.G., red.; TOKER, A.M., tekhn. red.

[Small-scale automation]Malala avtomatizatsiia. Moskva,  
roftekhizdat, 1961. 197 p. Translated from the Czech.  
(MIRA 15:7)

(Automation)

KOTEK, Z.

PHASE I BOOK EXPLOITATION

SOV/4387

Strejc, Vladimir, Engineer, Miroslav Šalamon, Doctor, Engineer, Zdeněk Kotek, Engineer, Candidate of Technical Sciences, and Milan Balda, Docent, Engineer, Candidate of Technical Sciences

Osnovy teorii avtomaticheskogo regulirovaniya (Basic Theories In Automatic Regulation) Moscow, Gostoptekhizdat, 1960. 332 p. 5,200 copies printed. Translated from the Czech.

Translator: G. M. Gol'denberg, Engineer; Ed.: M. P. Simoyu; Executive Ed.: A. A. Gor'kova; Tech. Ed.: A. V. Trofimov.

**PURPOSE:** This book is intended for technical personnel engaged in the automatic regulation of industrial processes.

**COVERAGE:** The book presents the fundamentals of the theory of automatic regulation of linear and nonlinear systems, and of intermittent types of regulation. Numerous methods of analyzing regulation systems with regard to the stability of regulation processes and the determination of the optimum adjusting of

Card 1/7

DOBROVOL'SKIY, V.A.[Dobrovol'skyi, V.O.]; KOTEK, V.V.

Works on the history of mathematics published in the Ukraine  
in the period 1850-1960. Ist.--mat. zbir. 4:10-36 '63.  
(MIRA 17:3)

KOTEK, V.V.;

Philosophical views of Leonhard Euler. Ist.-mat. zbir. 1:86-104 '59.  
(Euler, Leonhard, 1707-1783) (MIRA 14:2)

КОТЕК У.У.

16(1) PHASE I BOOK EXPLOITATION SOV/2660  
Vsesoyuzny matematicheskiy s'yezd. 3rd, Moscow, 1956  
Trudy. t. 4: Kratkiye sodержaniye sekcionnykh dokladov. Doklady inostrannykh uchenykh (Transactions of the 3rd All-Union Mathematical Conference in Moscow. vol. 4: Summary of Sectional Reports. Reports of Foreign Scientists) Moscow, Izd-vo AN SSSR, 1959. 247 p. 2,200 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Matematische Institut.  
Tech. Ed.: G.N. Shevchanko; Editorial Board: A.A. Abramov, V.G. Boltyanskiy, A.M. Vasil'yev, B.V. Medvedev, A.D. Myshkis, S.M. Nikol'skiy (Resp. Ed.), A.G. Postnikov, Yu. V. Prokhorov, K.A. Rybnikov, P. L. Ulyanov, V.A. Uspenskiy, M.G. Chetaev, G. Ye. Shilov, and A.I. Shirshov.

PURPOSE: This book is intended for mathematicians and physicists.  
COVERAGE: The book is Volume IV of the Transactions of the Third All-Union Mathematical Conference, held in June and July 1956. The book is divided into two main parts. The first part contains summaries of the papers presented at the conference. The second part contains the text of reports submitted to the editor by non-Soviet scientists. In those cases when the non-Soviet scientist did not submit a copy of his paper to the editor, the title of the paper is cited and, if the paper was printed in a previous volume, reference is made to the appropriate volume. The papers, both Soviet and non-Soviet, cover various topics in number theory, algebra, differential and integral equations, function theory, problems of mechanics, probability theory, topology, mathematical problems of mechanics, and problems of mathematical physics. The book also contains a section on the history of mathematics, and the history of mathematical logic and the foundations of mathematics.

Shakhmuradov, D.K. (Moscow). A study of electromagnetic fields in laminar media 125  
Section on the History of Mathematics  
Abramov, M.A. (Bulchare). Works of mathematicians of Central Asia on the theory of parallel lines 126  
Kotik, V.Y. (Kiyev). On the question of Leonard Euler's world outlook 126  
Kocher, V.A. (Sverdlovsk). From the studies of V.G. Izmenetskii in the field of the theory of the integration of partial differential equations 127  
Lunts, G.L. (Moscow). Application of Lobahevskiy's criterion 128  
Maystrov, I.Ye. (Moscow). On the mathematical symbols and terms found in new archaeological discoveries in the territory of ancient Russia 128

KOTEK, V.V.

L.Euler's studies on the theory of numbers. Ist.-mat. zbir. 3:  
50-57 162. (MIRA 16:10)

M. I. KOTEK

AUTHOR: None Given 127-58-6-10/25

TITLE: Authors' Certificates (Avtorskiye svidetel'stva)

PERIODICAL: Gornyy Zhurnal, 1958, Nr 6, pp 39-40 and p 59 (USSR)

ABSTRACT: M.I. Kotek, "A Combine for Complex-Mechanization of the Drifting of Mining Works"; Trushchenko, N.G., "A Mobile Shield for Sinking "Rising" (vosstayushchiy) Workings"; Musayelyan, A.D., "A Process of Vertical Shaft Sinking Under Flooded Conditions by Lowering the Water Lever With Air Lifters"; Ya.A. Romantsev and V.G. Slonitskiy, "A Boring Machine for the Sinking of Pit Holes".  
There are 3 figures.

AVAILABLE: Library of Congress

Card 1/1 1. Drilling machines-Applications

KOTIK, M.I.

Cutter-loader for an over-all mechanization of mining operations.  
Gor. zhur. no.6:39 '58. (MIRA 11:6)  
(Mining machinery--Patents)

A Digital Correlator .....

23672

Z/039/61/022/003/004/006  
E192/E382

electromechanical relays and selectors. The counting equipment is based on 19 relays, 13 electromechanical counters and 1 selector. This equipment was capable of producing 100 products per 250 sec. The correlator was tested during 30 000 operations. It was found that provided suitable contact materials were used and the contacts were protected with suitable quenching circuits, operation of the correlation-function computer was comparatively reliable.

There are 13 figures, 2 tables and 3 references: 1 Czech and 2 non-Czech.

ASSOCIATION: Ústav teorie informace a automatizace ČSAV  
(Institute of Information Theory and  
Automation of the ČSAV)

SUBMITTED: April 1, 1960

Card 4/4

23672

A Digital Correlator ....

Z/039/61/022/003/004/006  
E192/E382

$$R_v(\tau) = \frac{1}{N-\mu} \sum_{i=1}^{N-\mu} x_i \cdot x_{i+\mu} \quad \text{for } \mu \geq 0. \quad (4)$$

where  $t = \nu \Delta$ ,  $\tau = \mu \Delta$ ,  $\nu = 1, 2, 3, \dots$  and  $\mu = 0, 1, 2, \dots$ . Evaluation of a point of the correlation function on the basis of Eq. (4) is not an easy process if it is borne in mind that it is often necessary to add 1 000 or more individual products. It is therefore necessary to mechanise this process. This is done by the digital correlator which processes the necessary data derived from a perforated tape. Two such tapes pass through the transducer of the correlator, where the corresponding coordinates are read; these are then multiplied in a system consisting of relays and selectors. The results of the products so evaluated are fed to suitable counters where they are added so that at the end of the tape the following expression is obtained:

Card 2/4

23672

Z/039/61/022/003/004/006  
E192/E382

6.9200

AUTHOR: Kotek, Jan, Engineer

TITLE: A Digital Correlator Based on Relays

PERIODICAL: Slaboproudý obzor, 1961, Vol. 22, No. 3,  
pp. 162 - 167

TEXT: A piece of equipment which permits simplification of the calculation of correlation functions is described. The equipment is based on the following principle. An auto-correlation function is expressed by:

$$R(r) = \lim_{T \rightarrow \infty} \frac{1}{2T} \int_{-T}^{+T} s(t) \cdot s(t+r) dt. \quad (1)$$

Now, the interval  $T$  is divided into  $N$  small intervals  $\Delta$  in such a way that the function  $x(t)$  does not change significantly during  $\Delta$ . The correlation function can be written approximately as:

Card 1/4

KOTEK, J.; PETRMICHL, J.

"A new series of high-speed refrigeration compressors. (Supplement)" p. 13

PRUMYSL POTRAVIN. Praha, Czechoslovakia, Vol. 9, No. 5, May, 1958

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September, 1959  
Uncl.

KOTEK, Josef; WIESNER, Ivan

Fire protection of woodworking plants. Drevo 17 no.12:367-370  
D '62.

1. Vyzkumny ustav bezpecnosti prace, Revolucni odborove hnuti,  
Praha (for Kotek). 2. Ustredni vybor odborove skupiny zamestnancu  
spotrebniho prumyslu, Praha (for Wiesner).

CZECHOSLOVAKIA/Nuclear Physics - General

C

Abs Jour : Ref Zhur - Fizika, No 8, 1959, 17091

Author : Kotek, Josef

Inst : -

Title : International Organization for the Protection of  
Workers Subjected to the Action of Ionizing Radiation

Orig Pub : Bezpecn. a hyg. prace, 1958, 8, No 10, 297-302

Abstract : No abstract.

Card 1/1

CZECHOSLOVAKIA / Chemical Technology. Chemical Products and Their Application. (Part 1) Safety Technique. Sanitary Engineering. H

Abs Jour : Ref Zhur - Khimiya, No 10, 1959, No. 35386

Author : Kotek, Josef

Inst : Not given

Title : The International Organization for the Protection of People Subjected to the Action of Ionizing Radiation During Their Work

Orig Pub : Bezpeon. a hyg. prace, 1958, 8, No 9, 274-276

Abstract : The International Commission of Specialists for the Protection of People Subjected to the Action of Ionizing Radiation (IR) During Their Work which was created in 1957, established the following maximum admissible doses of radiation within the limits of the control zone (in bars): for the whole body during an entire lifetime - 200; up to

Card 1/3

PETROV, V.I., dotsent; KOTEGOVA, G.K.

Surgical treatment of fractures of the long bones [with summary in English, p.159] Vest.khir. 77 no.6:71-76 Je '56. (MLRA 9:8)

1. Iz gosspital'noy khirurgicheskoy kliniki No.1 (nach. - prof. Ye.V.Smirnov) Voenno-morskoy meditsinskoy akademii. Leningrad, Fontanka, 106, gosspital'naya khirurgicheskaya klinika No.1.  
(FRACTURES, surgery,  
intramedullary nailing (Rus))

KUZNETSOV, V.A.; ZAGAYNOVA, L.S.; D'YAKOV, A.A.; KOTEGOVA, A.A.

Electrocapillary phenomena on zinc-tin alloys and the surface tension  
of these alloys in vacuo. Elektrokimiia 1 no.6:676-681 Je '65.  
(MIRA 18:7)

1. Ural'skiy gosudarstvennyy universitet imeni Gor'kogo.

~~KOTEGOV~~, Kim Veniaminovich; PAVLOV, Oleg Nikolayevich; SHVEDOV,  
Vladimir Petrovich; KARPOVA, T.V., red.

[Technetium] Tehnetsii. Moskva, Atomizdat, 1965. 119 p.  
(MIRA 18:7)

SHVEDOV, V.P.; KOTEGOV, K.V.

Electromigration method for determining the physicochemical constants of the compounds in a state of extreme dilution. Part 2: Determination of the series of physicochemical values of Tc and Re compounds. Radiokhimiya no.3:374-378 '63. (MIRA 16:10)

(Technetium) (Rhenium compounds) (Electrophoresis)

SHVEDOV, V.P.; KOTEGOV, K.V.

Electromigration method for determining the physicochemical constants of the compounds in a state of extreme dilution. Part 1: Determination of the path of ions and of the nature of electrolyte flow during continuous electrophoresis on a porous filler. Radiokhimiia 5 no.3:369-374 '63. (MIRA 16:10)

(Ions--Migration and velocity)  
(Electrophoresis)

KOTECKI, W.

Portland pozzuolana cement as a concrete material. I. Ahrends, A. Drecki and W. Kotecki. Cement (warsaw) 4,44-6 (1948). -- This cement is comparable to portland cement and is more resistant to acids. It can be used successfully in various types of concretes. Cells for Cu electrolysis made of reinforced concrete contg. portland pozzuolana are planed. T. R. Zegree

KOTECKI, Tadeusz, inz.

Management of used lubrication oils in Poland. Nafta 21 no.2:  
51-54 F '65.

1. Central Agency of Petroleum Products, Warsaw.

KOTECKI, Napoleon Ryszard

The life cycle of *Parabisaacanthus phillactes* (Schiller, 1957)  
Czaplinski and Pyjilov, 1962, in the intermediate host. Wiosn.  
parazyt. 10 no.4:547-548 '62

1. Katedra Biologii Wydziału Lekarskiego Akademii Medycznej,  
Warszawa.

KOTECKI, Napoleon R.

Life cycle of *Parabisaccanthes philactes* (Schiller, 1951) Spassky  
et Reznik, 1963 in the intermediate host. Acta parasit Pol no.  
30/39:373-378 '64.

HOLYST, Jerzy; KOTECKI, Andrzej; KRAUSE, Kryptyna

Foreign bodies in the brain as a result of self-mutilation.  
Neurol., neurochir., psychiat. Vol. 14 no. 4: 581-588 31-12-64

1. z Kliniki Neurochirurgii Akademii Medycznej w Poznaniu  
(Kierownik: doc. dr. H. Powierkowski) i z Kliniki Psychiatrycznej  
Akademii Medycznej we Wrocławiu (Kierownik: doc. dr. M. Lemienowska).

POLAND

JURCZYK, Witold; KOTECKI, Andrzej and WIRGA, Zdzislaw;  
Third Surgical Clinic (III Klinika Chirurgiczna), AM  
[Akademia Medyczna -- Medical School] in Poznan, Director:  
Prof Dr Med Adam PISKORZ.

'Acute Changes in the Respiratory Tract in the Post-Operative Course'

Warsaw, Polski Tygodnik Lekarski, Vol XVIII, No 8, 18 Feb  
1963, pp 291-296.

Abstract: [Authors' English summary modified] 5425 surgical cases are analyzed statistically for post-operative respiratory complications. The kind of operation, the region operated, the age of the patient and the kind of anesthesia used are taken into consideration. Acute changes in the respiratory tract during the post-operative course appeared in 12.1 percent of the patients. Mostly, inflammation of the

1/2

KOTECKI, Alojzy, doc.dr.

Industrial refractometers. Pomlary 10 no.8:347-356 JI'64

1. Central Laboratory of Measuring Apparatus and Optics, Warsaw.

KOTBCKI, Aleksander

Power production - the heart and core of the economic development of Poland.  
Prezegl techn no.39:1-2 28 S '60

KONSTANTINOV, V.A.; KOTCHETYGOV, N.I.

Measured infliction of burns under experimental conditions.  
Eksper.khir. i anest. no.2:30-31'63. (MIRA 16:7)

1. Iz kafedry gospital'noy khirurgii no.1 (nachal'nik -prof.  
I.S.Kolesnikov) Voenno-meditsinskoy ordena Lenina akademii  
imeni S.M. Kirova)  
(BURNS AND SCALDS)

----- SYSTEMS IN THE DEVELOPMENT OF AUTOCOMPENSATORS FOR AUTOMATIC COMPENSATORS

SOURCE: Vsesoyuznaya konferentsiya po avtomaticheskomu kontrolyu i metodam elektricheskikh izmereniy, 5th. Avtomaticheskyy kontrol' i metody elektricheskikh izmereniy; trudy konferentsii, t. 2: Izmeritel'nyye informatsionnyye sistemy. Ustroystva avtomaticheskogo kontrolya. Elektricheskiye izmereniya neelektricheskikh velichin (Automatic control and electrical measuring techniques; transactions of the conference, v. 2: Information measurement systems. Automatic control devices. Electrical measurements of nonelectrical quantities). Novosibirsk, Izd-vo Nauka, 1966, 120-130

TOPIC TAGS: servomechanism, auto recorder, automatic control system

ABSTRACT: The increase in speed and accuracy of automatic self-recording measuring devices, automatic compensators, has lately become one of the main problems in the design of such devices. The article investigates at considerable length the synthesis of optimum (with respect to speed) autocompensator servosystems in the presence of nonlinear mechanical characteristics of the actuating motor. The theory developed was used for the design of a prototype of the EPP-09 autocompensator using the phase plane method. The dynamics of the autocompensator was studied on the MN-7 electronic simulator. The investigation yielded the

Card 1/2

Card 2/2 *egk*

L 2958-66

ACCESSION NR: AP5021433

ASSOCIATION: Leningradskiy elektrotekhnicheskiy institut im. V. I. Ul'yanova  
(Lenina) (Leningrad Electrical Engineering Institute)

SUBMITTED: 06Jun64

ENCL: 00

SUB CODE: EC

NO REF SOV: 002

OTHER: 001

Card 2/2 *md*

L 2958-66

ACCESSION NR: AP5021433

UR/0146/65/008/004/0021/0024  
621.317.7.087.6

AUTHOR: Kotchenko, F. F.; Frezinskiy, V. S.

24  
B

TITLE: Design of input filters for automatic potentiometers

SOURCE: IVUZ. Priborostroyeniye, v. 8, no. 4, 1965, 21-24

TOPIC TAGS: potentiometer, electronic measurement, servosystem, voltage stabilization

ABSTRACT: It was shown by G. R. Jacob ("Dynamics of Electronic Self-Balancing Systems", *AIEE Trans.*, Vol 76, part I, No 5, 1957) that the input filter for eliminating interference in automatic potentiometers has a stabilizing effect on the servosystem. Therefore, the resistance and capacitance of the filter should be chosen so that the dynamic properties of the servosystem are improved while the interference is eliminated. The authors discuss this problem briefly, since it has not been taken into consideration in the design of Soviet instruments. A specific example of filter design is given for the EPP-09 potentiometer. Orig. art. has: 2 figures, 4 formulas.

Card 1/2

KOTCHENKO, F.F.

Calculating gear ratio of a reducing gear in an optimum high-speed servosystem. Izv. vys. ucheb. zav.; prib. 7 no.1:63-68 '64. (MIRA 17:9)

1. Leningradskiy elektrotekhnicheskiy institut imeni Ul'yanova (Lenina). Rekomendovana kafedroy avtomatiki i telemekhaniki

VAVILOV, A.L.; KARDANOV, V.K.; KOTCHENKO, F.F.; PAVLOV, G.M.

High-speed recording device for electronic analogs. Priboroostroenie  
no.8:25-26 Ag '64. (MIRA 17:10)

BAYASANOV, Balaevich; OLEYNIKOV, V.A., kand. tekhn. nauk  
dots., retsenzent; KOTCHENKO, F.F., nauchn. red.;  
REYKHERT, L.A., ved. red.

[Automatic control of gas pipelines] Avtomaticheskoe up-  
ravlenie magistral'nykh gazoprovodami. Leningrad, Nedra,  
1964. 434 p. (i DA 17:10)

SMOL'NIKOV, L.P. (Leningrad); KOTCHENKO, F.F. (Leningrad)

Automatic control system optimum in respect to response time with  
an asynchronous executive motor. Izv. AN SSSR. Tekh. kib. no.6:  
46-53 N-D '63. (MIRA 17:4)

L 17803-63

ACCESSION NR: AP3006225

Functional diagram and a transient oscillogram are presented. Orig. art. has:  
8 figures and 26 formulas. 0

ASSOCIATION: none

SUBMITTED: 27Mar62

DATE ACQ: 23Sep63

ENCL: 00

SUB CODE: IE

NO REF SOV: 007

OTHER: 000

Card 2/2



OLEYNIKOV, Viktor Alekseyevich; ZOTOV, Nikolay Sergeyeovich; PATEYEV, A.V., doktor tekhn. nauk, prof., retsenzent; KOTCHENKO, F.F., inzh., nauchnyy red.; BRUSKIN, D.M., ved. red.; SAFRONOVA, I.M., tekhn. red.

[Automatic control of technological processes in the petroleum and petrochemical industries] Avtomaticheskoe regulirovanie tekhnologicheskikh protsessov v neftianoi i neftekhimicheskoi promyshlennosti. Leningrad, Gostoptekhizdat, 1962. 321 p. (MIRA 15:11)

(Automatic control.)

(Petroleum industry--Equipment and supplies)

S/146/60/003/01/002/016  
D002/D006

A Sinusoidal Oscillator With a Frequency Range of  $10^{-4}$  to 100 Cycles

SUBMITTED: January 16, 1960

Card 3/3



Card 1/3

S/146/60/003/01/002/016  
D002/D006A Sinusoidal Oscillator With a Frequency Range of  $10^{-4}$  to 100 Cycles

relay element, and has two dividers, viz., the "D1" and "D2". The authors carried out theoretical and experimental investigations in order to prove the possibility of constructing this oscillator using standard computing amplifiers. The polarized "RP" relay can be used in the frequency range of  $10^{-4}$  to 10 cycles, or an electronic key for frequencies of  $10^{-4}$  to 100 cycles and more. "MN-7" electronic amplifiers were used for experiments at frequencies down to  $10^{-3}$  cycles. The proposed oscillator can be used for measurement purposes, e.g. in oscillographs for obtaining the circular scan in a wide frequency range or in automatic installations. The article was recommended by the Kafedra avtomatiki i telemekhaniki (Chair of Automation and Telemechanics). There are 2 diagrams, 1 graph, 1 photograph, and 2 references, 1 of which is English, 1 Soviet. (✓)

ASSOCIATION: Leningradskiy elektrotekhnicheskii institut imeni V.I.Ul'yanova/Lenina  
(Leningrad Electrotechnical Institute imeni V.I.Ul'yanov /Lenin)

Card 2/3

9(6)(2)

AUTHORS:

Vavilov, A.A., Candidate of Technical Sciences, Solodovnikov, A.I.,  
Post Graduate Student, Kotchenko, F.F., Assistant

S/146/60/003/01/002/016  
D002/D006

TITLE:

A Sinusoidal Oscillator With a Frequency Range of  $10^{-4}$  to 100 Cycles

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Priborostroyeniye, 1960,  
Vol. 3, Nr 1, pp 10-17 (USSR)

ABSTRACT:

For checking automatic control systems and investigating vibrational phenomena, oscillations must be generated in a low frequency range of  $10^{-4}$  to  $10^{-3}$  cycles. In the USSR, the infra-low "NG-2" and "NGPK-4" Ref. 1 oscillators with a frequency range of 0.01-100 cycles are used. G. Klein [Ref. 2, English], describes an electronic oscillator generating sinusoidal oscillations in a frequency range of  $0.8 \cdot 10^{-4}$  to 0.05 cycles. The present article contains information on an electronic oscillator of infralow-frequency harmonic oscillations with a relay control unit (Figure 1). The principal block diagram is given (Figure 3). The device can be assembled on three computing amplifiers with an electro-magnetic or electronic

Card 1/3

SOV/146-58-4-11/22

An Automatic Quick-Response Compensator Developed on the Basis of  
the EPP-09 Instrument

ASSOCIATION: Leningradskiy elektrotekhnicheskiy institut imeni V.  
I. Ul'yanova (Lenina) (Leningrad Electrical Engineer-  
ing Institute imeni V.I. Ul'yanov (Lenin))

SUBMITTED: April 13, 1958

Card 4/4

SOV/146-58-4-11/22

An Automatic Quick-Response Compensator Developed on the Basis of  
the EPP-09 Instrument

(only 0.5 seconds). The control winding of the DARM-4/2 motor is fed from the push-pull output stage of an electronic amplifier with 6P3S tubes. Figure 3 shows the circuit diagram of the electronic amplifier of the automatic quick-response compensator for the measuring range of 0 - 10 millivolts, while the amplifier of the range of 0 - 500 microvolts is shown in Figure 4. Each amplifier is built with two 6N2P, one 6N1P and two 6P3S tubes. Figure 5 shows a photograph of the electronic amplifier. Figures 6, 7, 8, 9 show oscillograms and diagrams of the functioning of the servo mechanism. The zone of non-sensitivity is 0.1 - 0.2% of the dial length. The authors recommend the servo mechanism also for other automatic, quick-response compensators produced by the Soviet industry. There are 1 photograph, 3 circuit diagrams, 1 graph, 4 oscillograms, 2 diagrams and 3 references, 2 of which are Soviet and 1 English.

Card 3/4

SOV/146-58-4-11/22

An Automatic Quick-Response Compensator Developed on the Basis of  
the EPP-09 Instrument

provides the required quick-response. In this paper, the authors describe the servo mechanism for the quick-response automatic compensator EPP-09 with a measuring range of 0 - 10 millivolts and 0 - 500 microvolts, and present also some results of the experimental investigation of the model of the automatic, quick-response compensator. It has an indicator travelling time of 0.25 - 0.3 seconds with a maximum readjustment value of 0.2 - 0.3% of the dial length. The improvements were developed at the Kafedra avtomatiki i telemeckhaniki Leningradskogo elektrotekhnicheskogo instituta imeni V.I. Ul'yanova (Lenina) (Chair of Automation and Remote Controls of the Leningrad Electrical Engineering Institute imeni V.I. Ul'yanov (Lenin)). Figure 1 shows the principal circuits of the servo mechanism. The motor RD-09 which was originally used, was replaced by a DARM-4/2 motor, because the ASM-100 motor did not provide the required quick-response

Card 2/4

SOV/146-58-4-11/22

AUTHORS: Fateyev, A.V., Doctor of Technical Sciences, Professor, Vavilov, A.A., Candidate of Technical Sciences, Docent, Granstrem, M.P., and Kotchenko, F.F., Engineers

TITLE: An Automatic Quick-Response Compensator Developed on the Basis of the EPP-09 Instrument

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Priborostroyeniye, 1958, Nr 4, pp 60-68 (USSR)

ABSTRACT: The automatic, quick-response compensator EPP-09, produced by the Soviet industry, does not meet the quick-response requirements for laboratory and production purposes, since the indicator travels over the dial within 1 second, while in some cases a travelling speed of 0.2 - 0.3 seconds is required. The solution of this problem presents great difficulties, since re-adjustments must be kept at a minimum and must not exceed 0.2 - 0.3% of the dial length. The minimum zone of non-sensitivity must not exceed 0.1 - 0.2% of the dial length. The experience of a number of foreign enterprises proves the possibility of creating a device which

Card 1/4

CHKUASELI, T.Ya.; KOTAYIVA, D.V.

Pigments of the root system of the grapevine. Soob. AN Gruz.  
SSR 31 no.1:139-142 J1 '63. (MIRA 17:7)

KOTAYEVA, D.V.

Nucleic acid content in the active zone of germinating roots.  
Soob. AN Gruz. SSR 36 no.1:157-160 0 166.

(MIRA 12:11)

1. Institut botaniki AN Gruzinskoy SSR. Submitted March 19, 1966.

KOTAY, Pal, dr.

Our view on the problem of anesthesia in prostatectomy. Magy.  
sebesz. 17 no.3:176-179 Je'64

1. Urologiai Klinika. trg.-Mures. Marosvaarhely (R.P.R.)  
(Vezető: Kotay, Pal. dr., egyet. előadó tanár.)

*KOTAY, Pal, Dr.*

KOTAY, Pal, Dr.; GREPALY, Andras, Dr.; BALOGH, Erno; FODOR, Ferenc

Problems of renal tuberculosis in children and in puberty. *Magy. sebeszet* 10 no.2-3:183-188 Apr-June 57.

1. Tirgu-Mures--Marosvansarhely (Rumania)  
(TUBERCULOSIS, RENAL, in inf. & child  
in child. & in puberty (Hun))

KOTAY, Pal, dr.; GYERGYAY, Ferenc, dr.

Treatment of the renal tuberculosis. Magy. sebeszet 7 no.2:121-130 Apr 54.

1. Marosvasarhelyi (Targu-Mures, Romania) Bolyai Orvosegretem  
urologiai klinikajanak kozlemenyse.  
(TUBERCULOSIS, RENAL, ther.  
antibiotics)  
(ANTIBIOTICS, ther. use  
tuberc., renal)

POPAY, I.; BALOGH, S.; POPESCU, F.; BILIVY, S.

A new operative approach to the surgical treatment of renal  
arterial stenosis. Romanian med. rev. 1970, 12, 4, 31-35.

VERTAN, Magda, dr.; KOTAY, Eva, dr.; KIFOR, Olga, dr.; SZIGETI, I., dr.

Determination of thrombocyte adhesiveness (with a modified Bobek and Cepelak method). Med. intern. (Bucur) 17 no.6:749-752 Je '65.

1. Lucrare efectuata in Clinica medicala I, Institutul medico-farmaceutical, Tirgu-Mures (directors: prof. P. Doczy).

Pharmacology and Toxicology

CZECHOSLOVAKIA

UDC 615.776.83

POSPISIL, J.; DIENSTBIER, Z.; KOTATKO, J.; Biophysical Institute, Faculty of General Medicine, Charles University (Biofyzikalni Ustav Fakulty Vseobecneho Lekarstvi KU), Prague, Head (Prednosta) Prof Dr Z. DIENSTBIER.

"Application of the Radioprotective Substance Aminoethylisothio-urea Br IBr (AET)."

Prague, Časopis Lekarů Českyh, Vol 105, No 43, 28 Oct 66, pp 1165 - 1171

Abstract [Authors' English summary modified]: Betaaminoisothio-urea (AET) of Czech and USA origin was administered to mice, rats, and dogs, and its effect investigated. The effect of the two substances is basically similar, and there is no great difference in their toxicity. AET administration before irradiation is not effective; its toxicity is too high for use in treatment of human beings. 2 Figures, 5 Tables, 28 Western, 3 Czech, 2 Russian references. (Manuscript received Oct 65).

1/1

KOTATKO, J.

Pericecal hernia. Rozhl. chir. 42 no.2:135-137 F '63.

1. Chirurgické oddelení OUNZ v Mladé Boleslavi, přednosta MUDr.  
J. Kotatko.

(CECAL DISEASES) (HERNIA) (PERITONEUM)

CIHAK, J.; DONNER, L.; DVORAK, L.; DVORAKOVA, H.; JEZEK, V. L.; KAFKA, H.;  
KOTATKO, J.; MALY, V. L.; REINIS, Z.

Effect of anticoagulant therapy on the mortality in myocardial  
infarct during first 6 weeks. Sborn.lek. 62 no.10:281-286 O '60.

I. I. interni klinika fakulty vseobecneho lekarstvi University  
Karlovy v Praze, prednosta prof. dr. V.Hoenig. II. interni klinika  
fakulty vseobecneho lekarstvi University Karlovy v Praze, prednosta  
prof. dr. Fr. Herles. III. interni klinika fakulty vseobecneho  
lekarstvi University Karlovy v Praze, prednosta akademik J.Charvat.  
IV. interni klinika fakulty vseobecneho lekarstvi University  
Karlovy v Praze, prednosta prof. dr. M Fucik. Interni oddeleni  
fakultni polikliniky v Praze 2, prednosta prof. dr. K.Herfort.  
Ustav organizace zdravotnictvi fakulty vseobecneho lekarstvi  
University Karlovy v Praze, prednosta prof. dr. V.Prosek.  
(MYOCARDIAL INFARCT ther)  
(ANTICOAGULANTS ther)

KOTATKO, Jiri

Functional electrocardiographic changes and their influence by phenobarbital. Cas.lek.cesk. 99 no.7/8:221-224 19 F 160.

1. I interni klinika KU v Praze, prednosta prof.dr. M. Netousek.  
(ELECTROCARDIOGRAPHY pharmacol.)  
(PHENOBARBITAL pharmacol.)

SCHUCK, O.; STRIBENA, J.; KOTATKO, J.; PACOVSKY, V.; FABIAN, F.

Changes in renal function during bladder catheterization. Cas. lek.  
cesk. 97 no.39:1217-1219 26 Sept 58.

I. I. interni klinika KU, prednosta prof. Dr. M. Netousek II. interni  
klinika KU, prednosta akad J. Charvat, Ustav pro matematickou statistiku,  
prednosta prof. Dr. J. Janko..

(CATHETERIZATION

bladder, eff. on kidney funct. (Cz))

(KIDNEYS, physiol.

during bladder catheterization (Cz))

KOTATKO, J.

SCHUCK, O.; KOTATKO, J.; STRIBRNA, J.; FABIAN, Fr.

Question of venous receptors in man. Cas. lek. cesk. 96 no.14:  
416-418 4 Apr 57.

1. I. interni klinika chorob vnitřnich, prednosta prof.  
Dr. M. Netousek, Ustav pro matematickou statistiku, prednosta  
prof. Dr. J. Janko.

(FOREARM, blood supply

    cubital vein, eff. of stimulation on urinary sodium  
    chloride & water excretion (Cz))

(SODIUM CHLORIDE, in urine

    excretion, eff. of cubital vein stimulation (Cz))

(WATER, metab.

    eff. of cubital vein stimulation on excretion (Cz))

EXCERPTA MEDICA Sec.2 Vol.10/9 Phy.Biochem. Sept 57

3761. KOTÁTKO J. and STRIBRNA J. I. Vnitřní Klin., KU, Praha. Stanovení draslíku a sodíku v červených krvinkách na plamenném fotometru. Potassium and sodium estimation in erythrocytes by means of a flame photometer VNITŘ. LÉK. 1957, 3,4 (359-362)

Through centrifugation of heparinized blood packed cells will be obtained which are subsequently subjected to haemolysis in 0.04% ammonia water. In the solution, where the erythrocytes are diluted 200 times, the concentration of K and Na in a flame photometer is estimated. The arrangement of calibration curves is described. Fifty-one healthy individuals were examined. K level in erythrocytes was found to be between 82.05 and 109.23 mEq.  $\lambda$ ., on average 92.94 mEq.  $\lambda$ . Na levels in erythrocytes were found to be between 6.08 and 20.0 mEq.  $\lambda$ ., on average 13.2 mEq./ $\lambda$ . No significant difference was found between K or Na levels in erythrocytes in men and women. Neither was there found any difference between serum K and serum Na. No relation between the serum K or serum Na levels in erythrocytes was found. Therefore it is not possible to judge the level in erythrocytes from the serum electrolytes level and vice versa.

KOTATKO, Jiri; SCHUCK, Ota, s technickou spoluprací M.Semeradové a B.Taborové.

Studies on diuresis in man. II. Sodium resorption time. Ces. lek.  
cešk. 93 no.50:1382-1387 10 Dec 54.

1. I. interni klinika KU, predn. prof. Dr Milos Netousek.  
(DIURESIS,  
water diuresis, sodium resorp. time in)  
(SODIUM, metabolism,  
resorp. time in water diuresis)